

Project – Survey & Report

For this project you will be defining a population, selecting an appropriate sample size, selecting a representative sample, designing the questions and layout for your survey. You will be collecting primary data on an issue that interests you and then reporting on this issue using tables, graphs and a written report.

Overall Expectation:

collect, analyse, and summarize two-variable data using a variety of tools and strategies, and interpret and draw conclusions from the data;

Part A:

Open a google doc and look up definitions of the following words:

Population Sample Survey

1. You may choose a topic from the following list or you may select one of your own.
 - Spending habits of Grade 12 students
 - Favourite CD’s or TV shows
 - Post secondary plans
 - Extra-curricular activities
 - How people spend their leisure time
 - Part-time jobs
2. Clearly **define the population** you will sample.
3. Decide on a **sample size** (minimum of 10) and the method of **sample selection**. Select a **representative sample**.
4. Clearly define the **purpose of your survey**. What do you want to find out about the population? What data do you need to collect to get that information? Design your questions and layout of your survey? Make sure your questions are clear, precise and unbiased. Try your questions on one of your classmates. Minimum of 10 questions and a Maximum of 15.

Hand in the above information to your teacher, in complete sentences for approval before going on to the next steps. (ie: BEFORE CONDUCTING THE SURVEY)

Part B:

1. In Google Docs or Microsoft Word, prepare your survey now that you have received the teachers approval. Make sure it looks appealing and is easy to fill in. Duplicate this as many times as possible on the same page to save paper.
2. Distribute and conduct your survey and record your results in a tally chart in Microsoft Excel. Print this tally chart to be submitted in your final report.
3. Prepare a minimum of two circle graphs and two bar graphs to show some of the characteristics of your survey results. Be sure to include all the information on your graphs, such as labels, titles, etc... and make them look good. Print each graph on a separate page.
4. Analyze your results and use the data to draw conclusions about the population.
5. In Google Docs or Microsoft Word, **prepare a Report**, include;
 - a. A title page
 - b. An introduction which explains your topic and why you chose it?
 - c. An explanation of your survey which explains how you arrived at the different survey questions, who took the survey and where you did the survey.
 - d. A blank copy of your survey.
 - e. The raw data organized in your tally chart in Microsoft Excel. Make it look good.
 - f. Your graphs should each be printed on a separate page.
 - g. A conclusion to the overall survey. Were there any problems with the survey? Explain. What would you do differently next time?